

APPENDIX III.

The following lucid description of the ventilation of the State Lunatic Asylum of New York, located at Utica, New York, is taken, by permission of its author, Dr. John P. Gray, from the "Thirty-sixth Annual Report of the Managers of the State Lunatic Asylum."

It is prefaced by a short extract from the report:

"The managers consider the method of heating and ventilation of the institution to be the safest, most economical, and best. Information is frequently sought as to the system adopted. Recently an application made through the State Department by the British government for a detailed statement concerning the appliances and method, was referred to Dr. Gray, the superintendent of this institution, who made a report which was submitted to this board before transmission. The managers deem it such a clear and succinct statement of the method adopted, that they embody it as a document worthy of permanent record for use and reference.

MODE OF VENTILATING AND HEATING.

1. The mode of ventilation adopted is that of forcing air into the building by the use of two centrifugal fans, a drawing and description of which accompany this communication.

2. The air is delivered from the fans to all parts of the building.

3. First: Into the large channel or basement air duct, or air plenum, which is continuous under the whole building.

4. Second: From this air duct or air plenum, the air passes by flues into the various wards and rooms to be supplied. Each flue is independent; that is, it has an exit at but one point.